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	INTERNATIONAL SEARCH REPORT	International application No.
	•	PCT/JP2004/012143
A. CLASSIFICA Int.Cl <sup>7</sup>	TION OF SUBJECT MATTER H01L29/786, G02F1/1368, G06K19/00, G09F9/0 H01L21/3205, H01L21/336	0, G09F9/30, H01L21/288,
According to Inter	national Patent Classification (IPC) or to both national classification and IF	PC
B. FIELDS SEA	ARCHED	
Int.Cl	H01L21/3205, H01L21/336	00, GU9F9/30, HUILZI/288,
Jitsuyo Kokai Ji	earched other than minimum documentation to the extent that such document Shinan Koho 1922—1996 Jitsuyo Shinan t tsuyo Shinan Koho 1971—2004 Toroku Jitsuyo	Shinan Koho 1996-2004 Shinan Koho 1994-2004
Electronic data b	ase consulted during the international search (name of data base and, where	practicable, search terms used)
C. DOCUMEN	TS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the rele	evant passages Relevant to claim No.
	JP 2003-158134 A (Toshiba Corp.),	
	30 May, 2003 (30.05.03), Par. Nos. [0028] to [0044]; Figs. 1 to 3	13;
X	Par. Nos. [0045] to [0053]; Figs. 13 to	18;   1-3,6-9
Ā	Full text; all drawings	4,5,10,11
	(Family: none)	·
Y	JP 64-72163 A (Matsushita Electric Wor) 17 March, 1989 (17.03.89), Full text; Fig. 5 (Family: none)	ks, Ltd.), 1-3,6-9
Y	JP 5-175233 A (Fujitsu Ltd.), 13 July, 1993 (13.07.93), Full text; all drawings (Family: none)	1-3,6-9
× Further o	locuments are listed in the continuation of Box C.	t family annex.
* Special ca	defining the general state of the art which is not considered date and not	ent published after the international filing date or prior tin conflict with the application but cited to understand

to be of particular relevance document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone earlier application or patent but published on or after the international filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed "P" document member of the same patent family Date of the actual completion of the international search 05 November, 2004 (05.11.04) Date of mailing of the international search report 22 November, 2004 (22.11.04) Authorized officer Name and mailing address of the ISA/ Japanese Patent Office Telephone No. Facsimile No.

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International application No.
PCT/JP2004/012143

Category*	Citation of document, with indication, where appropriate, of the	Citation of document, with indication, where appropriate, of the relevant passages		
Υ .	JP 2003-149831 A (Seiko Epson Corp.), 21 May, 2003 (21.05.03), Full text; all drawings (Family: none)		8,9	
Y	<pre>JP 2003-162058 A (Seiko Epson Corp.), 06 June, 2003 (06.06.03), Full text; all drawings (Family: none)</pre>		8,9	
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